

ht1r1 1 -MLCTARIVGJOLISCOMAFACHSTES-----SPDTHPGVATAGGPTI-HSCCLOWRER-----PEVTLDRSCSENEHGVHFOAVRLGVEEENNSTALHPNTHGVOYMDVCS- 119
 rt1r1 1 MLTWAHILISOL--VYQMAFSCORTES-----SPFSLPGELIAGLSU-HGDCLOWRER-----PHTSDRDPDSENGCHVHFOAVRHEEENSSALHPNTHGVEYMDVCS- 118
 ht1r2 1 -GPRAKTICSUFF--LJWVLABP--AE-----NSDVLPGDHLGGLSU-HANMKGVHNLFLQVWOK-EYEVKVIGNLMQAVFAVEEENNDSSLPVGLGVEYMDVOYI-SNNVQVPMVMEH 115
 rt1r2 1 -GPOARTICUSI--LJHVLPRPKIVE-----NSDHLJAGDLGGTIL-HANVKSISLSYQVQKON-EFTMKVIGNLMQAVFAVEEENNDSSLPVGLGVEYMDVOYL-SNTHPGCIYH 118
 ht1r3 1 ---MLGPVIGLSMALHPGTGALOLS---OOLRMKGDMLGGPTI-GEFEFGLESSTRPSSVOT---RESSNELLWALJAWVAVEEENNSDHPGLRGIDHFTCSPPVAMKPSMEL 117
 rt1r3 1 ---MPGLALIGLSIAFELGMSGLOLS---OQEKACQVYLGGLP-PLGTTEATLNGTOPNGILOT---RESH-GLFLJAWKVAWVEEENNGSALHPGLRGIDHFTCSPPVAMKPSMEL 117
 mGluR1 1 MYRLLIFFPMTLEMSILPRMPDKVILACASSQSVARMDCQVILGLFESVHOPPEKVE-----RKQG--EIREQVGLQORVEVAMHTLDKINADPILHPNTHGVEYMDVCSHSSVLEQSTEEH 123

 ht1r1 120 SLPG-----QHHTIETQDILLHUSE-----TJLAVIGPDSINRAVATTAALISPEVIMISVANSSELSVERQVPSFLRTIAPNKKVOVETMULLHOKFGHMSLVSSDDIYCOLGMAENQATGO- 236
 rt1r1 119 ALQG-----PRHIFQKOLRNHSS-----KVAVEIGPDNDIHAVITADLIGPELMPJVSVEASSVLSNKRMESELRVPSDREOVEMVQLOSGFWMISLISYGDYCOLGMAEFAVHR- 235
 ht1r2 116 AHE-----DMILRIGEDYSMTLS-----RWAVIGPDNSSESVMTVAEPLSTETPOITVSHISDELRDKVRPAILIRTPSADHVEAMVOIMLHFRANKHIVTSSDYVGRDNCQICERVAR-D 231
 rt1r2 119 AOD-----DILLPLKDYSONP-----HMAVIGPDNSSESVMTVAEPLSTETPOITVSHISDELRDKVRPAILIRTPSADHVEAMVOIMLHFRANKHIVTSSDYVGRDNCQICERVAR-D 231
 ht1r3 118 AKAG-----SRDIAVCNVTOTOP-----RVAVIGPDSSESVMTVAEPLSTETPOITVSHISDELRDKVRPAILIRTPSADHVEAMVOIMLHFRANKHIVTSSDYVGRDNCQICERVAR-D 235
 rt1r3 118 AKVG-----SOSIAVCNVTOTOP-----RVAVIGPDSSESVMTVAEPLSTETPOITVSHISDELRDKVRPAILIRTPSADHVEAMVOIMLHFRANKHIVTSSDYVGRDNCQICERVAR-D 234
 mGluR1 124 RDSLSIRDEMCINRCLPDGQTLFPGRTKPKIACVIGPSSSVIQQVNLQIOLIEDIQAIVSHISDELSDKTLVYKVEIRVPSDTIQARMLDIVKRYNIVTVSAVTEGNGESOMDKHKLADQE- 252

 ht1r1 237 ICIATVIMPFSSOVG-----DER--MCLMCHIAQ-----ACATVVAFFSSQOLARMTFESSMILNLTQKAWA--SEAWALSRHTGVEGTORIGVIGVATQRAVPLKAFEEAVAR--ADKKARPRCHK 354
 rt1r1 236 IOWAHMDFSRVG-----DER--MOSMOHIAQ-----ARTJVVAVF--SNRHILARMEF--SRMILNLTQKAWA--SEAWALSRHTGVEGTORIGVIGVATQRAVPLKAFEEAVAR--ADKKARPRCHK 353
 ht1r2 232 ICIATFQETIPTLOPNQNTSEFQRLVTIVDKIQO--STARVWAFSPDLTMTHEFNEVIMRONFTCAVATA--SESAIDPVLHNLTELGHIGELITICQVPIPGSESEFPMGPQ--AGPEPLSRTSQ 355
 rt1r2 236 ICIATFQEVILIPESSQVMRSEFQRLDNIIDKRR--TSARVWAFSPDLTMTHEFNEVIMRONFTCAVATA--SESAIDPVLHNLTELGHIGELITICQVPIPGSESEFPMGPQ--AGPEPLSRTSQ 355
 ht1r3 235 ICIATFEGVPLPRADD--SRLGKQDVLHONVQ--SSVQVLTIFASVHAHALNYSISSRLSPKAWA--SEAWALSRHTGVEGTORIGVIGVATQRAVPLKAFEEAVAR--ADKKARPRCHK 359
 rt1r3 235 ICIATFEGVPLPRADD--SRLGKQDVLHONVQ--SSVQVLTIFASVHAHALNYSISSRLSPKAWA--SEAWALSRHTGVEGTORIGVIGVATQRAVPLKAFEEAVAR--ADKKARPRCHK 355
 mGluR1 253 ICIATFEGVPLPRADD--SRLGKQDVLHONVQ--SSVQVLTIFASVHAHALNYSISSRLSPKAWA--SEAWALSRHTGVEGTORIGVIGVATQRAVPLKAFEEAVAR--ADKKARPRCHK 373

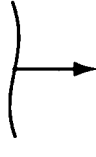
 ht1r1 355 G-----SWSSVQIREFQOAFMAHTMPKJAFS-----VSSNINATRAVAVAHGHLIOLIGOR-----SGAOSR-GRVYAPWOLHPOHVKHFL--LHKDTVAFNDNRDPLSSNNTIAMDVAGPKW-TITVL 466
 rt1r1 354 G-----SWSTVQIREFQOAFMAHTMPKJAFS-----VSSNINATRAVAVAHGHLIOLIGOR-----SGAOSR-GRVYAPWOLHPOHVKHFL--LHKDTVAFNDNRDPLSSNNTIAMDVAGPKW-TITVL 465
 ht1r2 356 S-----YTC--NOEDVCLNATISFNTIILSG-----ERWMSVMSAVAVAHALHSLIGOD-----KSHQTK-RWVYAPWOLHPOHVKHFL--LHKDTVAFNDNRDPLSSNNTIAMDVAGPKW-TITVL 465
 rt1r2 360 R-----TTQ--NODDACLNTKSFNTIILSG-----ERWMSVMSAVAVAHALHSLIGOD-----KSHQTK-RWVYAPWOLHPOHVKHFL--LHKDTVAFNDNRDPLSSNNTIAMDVAGPKW-TITVL 469
 ht1r3 356 EREGLEDVVGQPOQDCITLQNVSAGIN-----HHQTFSSVAVAVAHALHSLIGOD-----KSHQTK-RWVYAPWOLHPOHVKHFL--LHKDTVAFNDNRDPLSSNNTIAMDVAGPKW-TITVL 471
 rt1r3 355 -AELDLERVMGPRQSCQDIYIMQNLSSGLMONLSAGOLHHLQIFATVAVAVAHALHSLIGOD-----KSHQTK-RWVYAPWOLHPOHVKHFL--LHKDTVAFNDNRDPLSSNNTIAMDVAGPKW-TITVL 478
 mGluR1 374 HR-----FOQRLPCHLLIENPNEKKVCTGNESEENYVQ--DSNGFVILNITVAMAHGHLIOLIGOR-----SGAOSR-GRVYAPWOLHPOHVKHFL--LHKDTVAFNDNRDPLSSNNTIAMDVAGPKW-TITVL 497

TO FIG. 1B

FIG. 1A



FROM FIG. 1A



ht1R1	467	GS	TWSPVQIN	IN	NE	KLO	W	H	G	K	D	O	V	P	K	S	C	S	D	C	H	E	G	H	O	R	---	594																	
rt1R1	466	GS	ASLSPVH	LD	IN	K	T	K	L	O	W	H	G	N	N	V	P	S	V	O	T	D	C	A	G	H	R	---	593																
ht1R2	466	AS	YPLOR	O	I	K	N	---	I	O	D	S	M	H	V	N	T	I	P	S	M	S	K	R	C	O	S	K	---	593															
rt1R2	470	AS	VPTSR	K	L	T	Y	---	I	N	N	V	S	M	P	N	N	V	P	S	M	S	K	R	C	O	P	O	K	---	597														
ht1R3	472	GR	FN	---	G	S	L	R	T	E	---	L	K	R	M	F	T	S	D	A	C	K	P	S	R	C	O	E	G	O	V	R	---	596											
rt1R3	479	GT	FN	---	G	T	L	O	H	---	S	K	M	T	P	E	---	N	O	V	A	S	O	C	S	P	O	C	K	T	O	R	---	601											
mGlur1	498	GI	WH	---	E	G	V	N	---	I	D	D	K	L	O	M	N	K	---	S	G	M	V	S	A	C	S	P	E	C	I	G	O	L	N	---	620								
ht1R1	595	PV	AS	AG	CF	MI	G	S	I	A	G	S	G	S	L	V	G	H	---	C	E	P	T	R	P	A	C	H	R	O	A	E	F	A	L	I	E	---	722						
rt1R1	594	PV	AS	AG	CF	MI	G	S	I	A	G	S	O	S	F	S	E	F	---	C	E	P	T	R	P	A	C	H	R	O	P	I	E	S	I	G	F	A	---	721					
ht1R2	594	PV	AS	AG	CF	MI	G	S	I	A	G	S	O	S	F	S	E	F	---	C	E	P	T	R	P	A	C	H	R	O	P	I	E	S	I	G	F	A	---	722					
rt1R2	598	PV	AS	AG	CF	MI	G	S	I	A	G	S	O	S	F	S	E	F	---	C	E	P	T	R	P	A	C	H	R	O	P	I	E	S	I	G	F	A	---	726					
ht1R3	597	PV	AS	AG	CF	MI	G	S	I	A	G	S	O	S	F	S	E	F	---	C	E	P	T	R	P	A	C	H	R	O	P	I	E	S	I	G	F	A	---	724					
rt1R3	602	PV	AS	AG	CF	MI	G	S	I	A	G	S	O	S	F	S	E	F	---	C	E	P	T	R	P	A	C	H	R	O	P	I	E	S	I	G	F	A	---	729					
mGlur1	621	PV	AS	SS	RE	LO	I	I	A	G	L	I	G	V	C	P	E	T	L	I	A	N	---	I	S	O	M	L	I	A	G	L	I	G	V	C	P	E	T	L	I	A	N	---	748
ht1R1	723	TN	S	I	G	F	A	L	I	N	G	H	S	I	S	A	F	C	S	L	V	G	H	---	L	P	E	N	E	A	R	O	V	E	---	841									
rt1R1	722	W	S	G	H	E	L	A	T	T	H	I	L	S	I	S	I	V	C	S	L	V	G	H	---	L	P	E	N	E	A	R	O	V	E	---	840								
ht1R2	723	N	Y	R	N	S	H	E	N	T	S	D	L	H	S	V	C	E	S	F	A	M	G	E	L	P	I	N	E	A	R	O	V	E	---	839									
rt1R2	727	N	Y	R	N	G	H	E	N	T	S	D	L	H	S	V	C	E	S	F	A	M	G	E	L	P	I	N	E	A	R	O	V	E	---	843									
ht1R3	725	R	S	M	S	H	E	N	T	S	D	L	H	S	V	C	E	S	F	A	M	G	E	L	P	I	N	E	A	R	O	V	E	---	852										
rt1R3	730	R	S	M	S	H	E	N	T	S	D	L	H	S	V	C	E	S	F	A	M	G	E	L	P	I	N	E	A	R	O	V	E	---	858										
mGlur1	749	S	N	---	L	G	W	A	P	V	G	N	C	L	I	M	S	O	T	Y	A	E	K	T	R	N	V	P	A	N	E	A	R	O	V	E	---	845							

FIG. 1B

